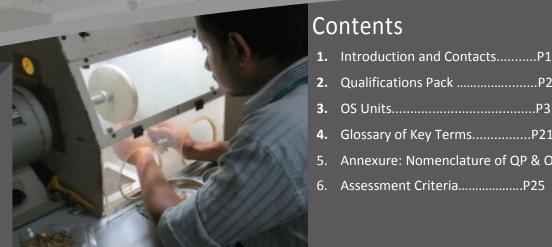






QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR GEM & JEWELLERY INDUSTRY



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Introduction

Qualifications Pack-Jewellery Polisher

SECTOR: GEM & JEWELLERY

SUB-SECTOR: Cast and Diamond-Set Jewellery

OCCUPATION: Jewellery Polishing

REFERENCE ID: G&J/Q3001

ALIGNED TO: NCO-2004/7313.28

Jewellery Polisher: In the cast and diamond-set jewellery manufacturing, polishing is a multi-stage job role, i.e., at different stages such as pre-setting polish and final polish

Brief Job Description: The individual provides shine and lustre to the cast jewellery at different stages of its manufacturing such as pre-setting and final polish. The individual works with different types of tools, polishing compounds, soft and hard buffs fixed on high-speed rotating motor bench.

Personal Attributes: The job requires the individual to have: attention to details; good eyesight; steady hands and ability to multi-task in a process driven team for long hours in sitting position. A polisher is expected to have integrity in dealing with high value jewellery.

What are **Occupational** Standards(OS)?

- OS describe what individuals need to do, know and understand in order to carry out a particular job role or function
- OS are performance standards that individuals must achieve when carrying out functions in the workplace, together with specifications of the underpinning knowledge and understanding

Contact Us:

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E-mail: info@gjsci.org





Qualifications Pack for Jewellery Polisher





Qualifications Pack Code	G&J/Q3001		
Job Role	Jewellery Polisher		
Credits (NSQF)	TBD	Version number	1.1
Sector	Gem & Jewellery	Drafted on	29/05/13
Sub-sector	Cast and Diamond-set Jewellery	Last reviewed on	15/06/15
Occupation	Polishing	Next review date	15/08/16
NSQC Clearance on*		05/08/2015	

Job Role	Jewellery Polisher		
Role Description	Providing a clean, shining and finished jewellery at different stages of its making		
NSQF level	3		
Minimum Educational Qualifications*	Preferably 10 th Standard Passed		
Maximum Educational Qualifications*	Not Applicable		
Training	Not applicable		
Minimum Job Entry Age	18 Years		
Experience	Not applicable		
	Compulsory:		
	1. <u>G&J/N3001Polish and clean the cast jewellery</u>		
	2. <u>G&J/N9901 Respect and maintain IPR</u>		
Applicable National Occupational	3. <u>G&J/N9902 Coordinate with others</u>		
Standards (NOS)	4. <u>G&J/N9905 Maintain occupational health and safety</u>		
	Optional: N.A		
Performance Criteria As described in the relevant OS units			



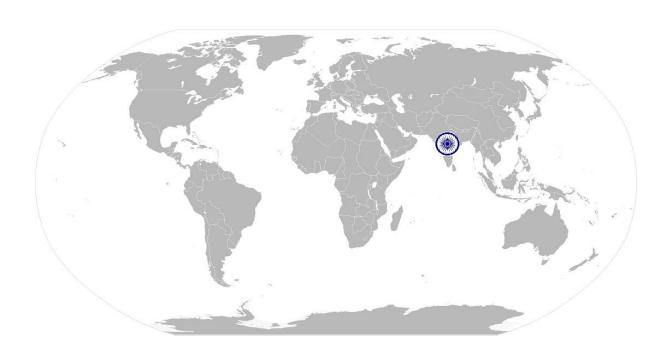






Polish and clean the cast jewellery

National Occupational Standard



Overview

Polishing and cleaning is a critical step in finishing the cast jewellery. The objective of this unit is to make the jewellery ready for: diamond and stone setting at the pre-setting polishing stage and for plating in final polishing stage. At this stage the jewellery must attain the final finish as per design in terms of look and lustre.









G&J/N3001	Polish and clean the cast jewellery	
Unit Code	G&J/N3001	
Unit Title (Task)	Polish and clean the cast jewellery	
Description	This OS unit is about finishing the cast jewellery to make it ready for stone-setting or plating	
Scope	This unit/task covers the following:	
	Polish the cast jewellery received after filing understand design requirements for portions to be polished and the finish to be achieved such as matt, shiny, smooth use high speed motor buffing with different types of buffs along with polishing compound to remove filing defects use lapping or buffing machine to give shine to flat surface in a jewellery piece apply lustre to cut and give a smooth finish to metal apply rouge to achieve glossy and shiny finish clean the jewellery pieces in ultrasonic machine (hot water) in case of jewellery set with emerald and pearl need to be cleaned in ultrasonic machine (cold water) to remove all the polishing compound and other dust use vacuum bench to avoid inhaling and collect dust for recovery of precious metal Control precious metal loss and damage to stones collect metal dispersed during the day (dust and fragments) report metal losses via documentation as per company policy tally account as per allowed standards for the design conduct regular and controlled environment cleaning for collection of metal dust minimise metal loss below the prescribed limits report any incidents of high precious metal loss suggest improvements in order to reduce precious metal loss suggest improvements in order to reduce precious stones keep the work station, machine and organised keep the work station, machine and tools clean keep all the tools in an organised manner do not litter or spit on work premises	
	 inform supervisor if product has arrived with casting defect understand the type of defect, assess if polishing unit can rectify the defect or deposit back to the supervisor 	
	 Check quality check polished piece visually in order to detect defects such as impurities, grease, marks, uneven finish and rough edges improve output of polishing while maintaining design quality and precious metalloss standards re-polish product returned from QC 	









Polish and clean the cast jewellery

Toush and cican the east jewenery				
Performance Criteria (PC) w.r.t. the Scope				
Element	Performance Criteria			
Polishing and cleaning	To be competent, the user/individual on the job must be able to: PC1. provide finish to jewellery piece as per design requirement PC2. minimise precious-metal loss and damage to the stones in case of final polishing PC3. minimise accidents while buffing and using high speed motors			
Productivity	To be competent, the user/individual on the job must be able to: PC4. deliver in time product to the next stage in the process flow PC5. polish number of pieces as per target deliverable as specified by the company			
Quality of output	To be competent, the user/individual on the job must be able to: PC6. appropriately finish surfaces as per design requirement PC7. produce quality control approved jewellery piece			
Knowledge and Unders	standing (K)			
A. Organizational Context	The user/individual on the job needs to know and understand: KA1. company's policies on: acceptable limits of gold loss, incentives, quality and delivery standards, safety and hazards, integrity and IPR, personnel management and dress code KA2. work flow involved in jewellery manufacturing process of the company importance of the individual's role in the workflow KA4. reporting structure			
B. Technical Knowledge	The user/individual on the job needs to know and understand: KB1. uses of different types of buffers for different purposes and end results KB2. potential work hazards while using chemicals, high speed rotating motors, lapping and ultrasonic machines			
Skills (S) [Optional]				
A. Core Skills/	Basic reading and writing skills			
Generic Skills	The user/ individual on the job needs to know and understand how to: SA1. to read notes and job sheet SA2. read company rules and compliance documents required to complete the work Teamwork and multi-tasking			
	The user/individual on the job needs to know and understand how to: SA3. share work load as required SA4. deliver jewellery piece to next work process on time SA5. take feedback from co-workers and supervisor and share knowledge with them			









Polish and clean the cast iewellery

G&J/N3001	Polish and clean the cast jewellery		
B. Professional Skills	Reading design		
	The user/individual on the job needs to know and understand how to:		
	SB1. provide finishing and shine according to design and style of the jewellery piece		
	·		
	Using tools and machines		
	The user/individual on the job needs to know and understand how to: SB2. work with metals including how to clean and shine the surface of the jewellery piece SB3. use following key tools, machines and consumables for polishing:		
	• chemicals		
	rexene or leather sheetswork bench or table		
	• small wooden plates		
	• glass wool		
	magnet pinscleaning detergent or shampoo		
	different types of buffs such as cloth, wool, leather, satin finish buffs		
	lustre rouge		
	• work holders		
	hand piecesflex shaft		
	• gauges		
	• magnifiers		
	 high speed motor lapping/ buffing machine and buffs 		
	ultrasonic machine		
	vacuum bench		
	SB4. maintain, repair and customise tools SB5. work in a safe environment, i.e., without injuries		
	The user/individual on the job needs to know and understand: SB6. different types of buffs and technique to appropriately fix in the high speed		
	motors and use it		
	SB7. how to avoid overheating		
	Reflective thinking		
	The user/individual on the job needs to know and understand how to:		
	SB8. use correct posture while performing the job of the polishing SB9. reduce precious metal loss		
	SB10. place the tools on the working bench for effective work management		
	SB11. improve productivity and increase efficiency based on past working		
	experience SB12. effectively use the polishing and cleaning processes to improve the quality and finishing of the jewellery piece		



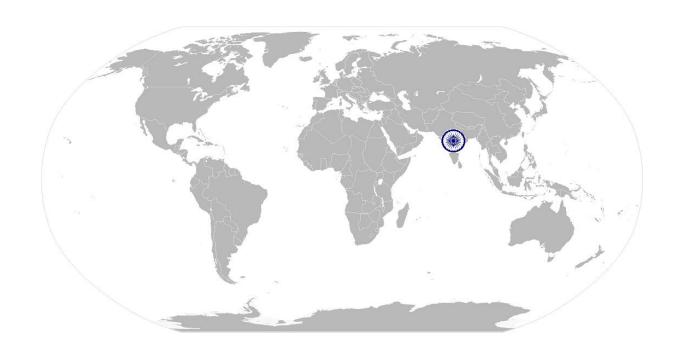






Polish and clean the cast jewellery

Critical thinking
The user/individual on the job needs to know and understand how to:
SB13. anticipate process disruption and reasons for delay











Polish and clean the cast jewellery

NOS Version Control

NOS Code	G&J/N3001		
Credits (NSQF)	TBD	Version number	1.1
Industry	Gem & Jewellery	Drafted on	29/05/13
Industry Sub-sector	Cast and Diamond-set Jewellery	Last reviewed on	15/06/15
Occupation	Polishing	Next review date	15/08/16







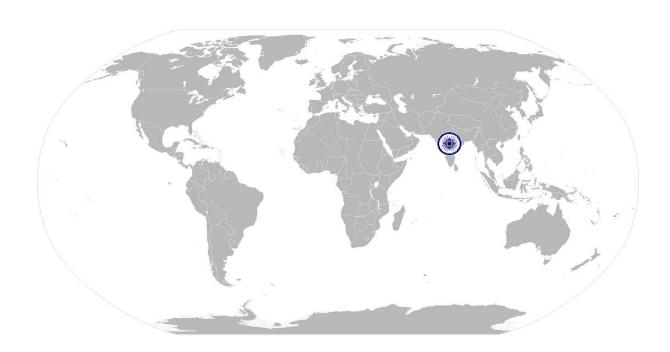




Respect and maintain IPR

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National Occupational Standard



Overview

This unit is about respecting intellectual property rights of the company's products and designs and avoiding infringement on IPR of other companies.









Respect and maintain IPR

Unit Code	G&J /N9901
Unit Title (Task)	Maintain IPR of company and respect IPR of other companies
Description	This OS unit is about protecting company's IPR and avoiding infringement to IPR of other companies
Scope	This unit/task covers the following: Protect company's Intellectual Property Rights (IPR) • prevent leak of new designs to competitors by reporting on time • be aware of any of company's product or design patents • report IPR violations observed in the market, to supervisor or company heads Avoid infringement to IPR of other companies • read copyright clause of the material published on the internet and any other printed material • consult supervisor or senior management when in doubt about using publicly available information • report any infringement observed in the company
Performance Criteria(P	C) w.r.t. the Scope
Element	Performance Criteria
Respecting and Maintaining IPR	To be competent, the user/individual on the job must: PC1. be able to spot plagiarism and report PC2. be aware of patents and IPR PC3. not be involved in IPR violations
Knowledge and Unders	standing (K)
A. Organizational Context	The user/individual on the job needs to know and understand: KA1. company's policies on IPR and plagiarism KA2. reporting structure KA3. company's unique product range
B. Technical Knowledge	The user/individual on the job needs to know and understand: KB1. patents and IPR laws KB2. how IPR protection is important for competitiveness of a company
Skills (S) [Optional]	
A. Core Skills/ Generic Skills	Communication skills The user/ individual on the job needs to know and understand how to: SA1. effectively communicate any observed IPR violations or order leaks



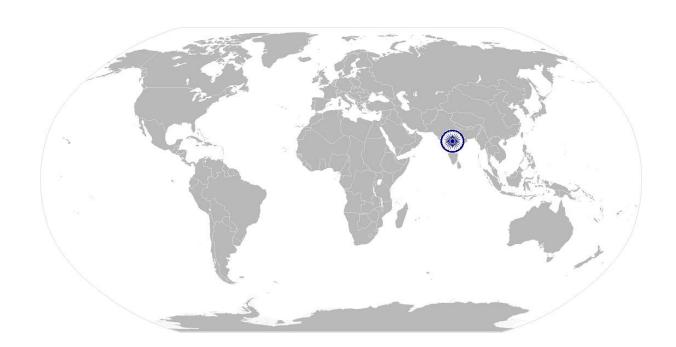






G&J/N9901 Respect and maintain IPR

		Ttospect und mamieum 11 11		
В.	Professional Skills	Decision making		
		The user/individual on the job needs to know and understand how to:		
		SB1. report potential sources of violations		
		Reflective thinking		
		The user/individual on the job needs to know and understand to:		
		SB2. learn from past mistakes and report IPR violations on time		
		Critical thinking		
		The user/individual on the job needs to know and understand how to:		
		SB3. spot signs of violations and alert authorities in time		







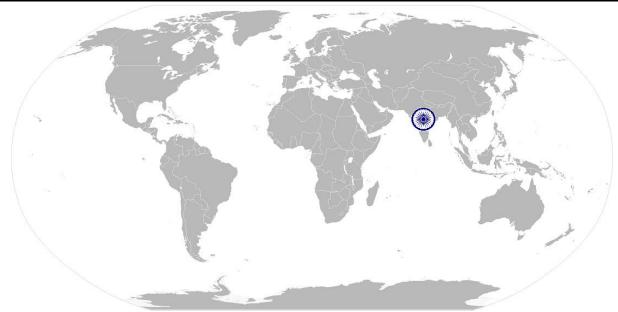




Respect and maintain IPR

NOS Version Control

NOS Code	G&J/N9901		
Credits (NSQF)	TBD	Version number	1.1
Industry	Gem & Jewellery	Drafted on	29/05/13
Industry Sub-sector	Cast and Diamond-set Jewellery	Last reviewed on	15/06/15
		Next review date	15/08/16







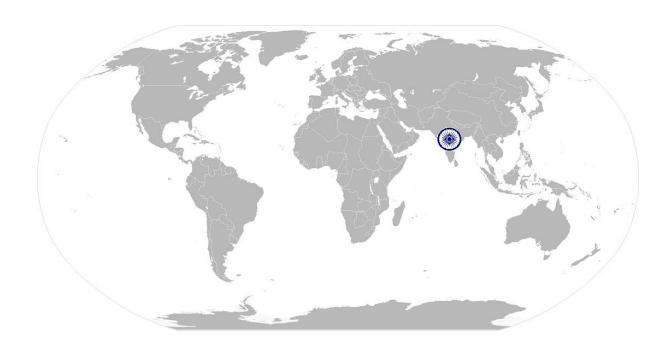




Coordinate with others

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National Occupational Standard



Overview

This unit is about team work and level of communication with colleagues or clients. It determines the ability to work as a team member, share work and multi-task in order to achieve the deliverables on schedule.









Coordinate with others

Unit Code	G&J/N9902	
Unit Title (Task)	Interact with colleagues and seniors	
Description	This OS unit is about communicating with colleagues and seniors in order to achieve smooth and hazard-free work flow	
Scope	 This unit/task covers the following: Interact with supervisor receive work instructions and raw materials from reporting supervisor communicate to reporting supervisor about process-flow improvements, product defects received from previous process, repairs and maintenance of tools and machinery as required communicate any potential hazards or expected process disruptions handover completed work to supervisor Interact with colleagues within and outside the department work as a team with colleagues and share work as per their or own work load and skills work with colleagues of other departments communicate an discuss work flow related difficulties in order to find solutions 	
	with mutual agreement receive feedback from QC and rework in order to complete work on time	

Performance	Criteria(PC)	w.r.t. tne	scope

KB1.

KB2.

Knowledge

Element	Performance Criteria	
Interaction with supervisor To be competent, the user/individual on the job must be able to: PC1. understand the work output requirements PC2. comply with company policy and rule PC3. deliver quality work on time as required by reporting any anticipa for delays		
Interactions with colleagues and other departments To be competent, the user/individual on the job must be able to: PC4. put team over individual goals PC5. be able to resolve conflicts PC6. learn how to multi-task relevant activities		
Knowledge and Unders	standing (K)	
A. Organizational Context	The user/individual on the job needs to know and understand: KA1. company's policies on: preferred language of communication, reporting and escalation policy, quality delivery standards, and personnel management KA2. reporting structure	
B. Technical	The user/individual on the job needs to know and understand how to:	

communicate effectively

build team coordination









Coordinate with others

Ski	ills (S) [Optional]			
A.	Core Skills/	Communication skills		
Generic Skills The individual on the job needs to know and understand how to:		The individual on the job needs to know and understand how to:		
		SA1. read and write preferred language of communication as prescribed by the		
		company		
		SA2. read job sheets and interpret technical details mentioned in the jobsheet		
В.	Professional Skills	Decision making		
		The individual on the job needs to know and understand:		
		SB1. how to spot and communicate potential areas of disruptions to work process		
		and report the same		
		SB2. when to report to supervisor and when to deal with a colleague individually,		
		depending on the type of concern		
		Reflective thinking		
		The individual on the job needs to know and understand how to:		
		SB3. improve work processes by interacting with others and adopting best practices		
		Critical thinking		
		The individual on the job needs know and understand how to:		
		SB4. spot process disruptions and delays and report and communicate with		
		solutions		







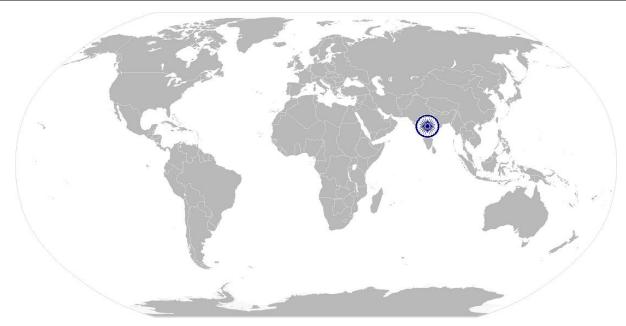




Coordinate with others

NOS Version Control

NOS Code	G&J /N9902		
Credits (NSQF)	TBD	Version number	1.1
Industry	Gem & Jewellery	Drafted on	29/05/13
Industry Sub-sector	Cast and Diamond-set jewellery	Last reviewed on	15/06/15
		Next review date	15/08/16





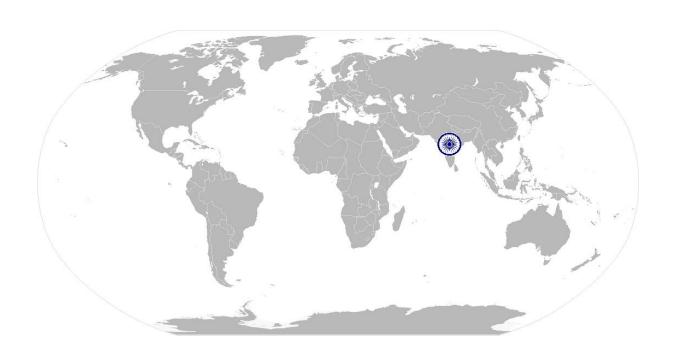






Maintain occupational health and safety

National Occupational Standard



Overview

This unit is about commitment towards reporting potential hazards, taking preventive measures to contain accidents in order to make the work environment safe for self and colleagues and maintaining occupational health and safety.









Maintain occupational health and safety

Unit Code	G&J /N9905		
Unit Title (Task)	Maintain occupational health and safety		
Description	This OS unit is about being aware of, communicating and taking steps towards minimizing potential hazards and dangers of accidents on the job and maintaining occupational health and safety		
Scope	occupational health and safety This unit/task covers the following: Understand potential sources of accidents • to avoid accidents related to use of potentially dangerous chemicals, sharp tools, hazards from machines and such as heating lamps Use safety gear to avoid accidents • wear safety gear such as goggles, mask, gloves, ear plugs Actively participate in the health and safety awareness campaigns • attend fire drills organised by the company or industrial zone • learn first aid procedure • be alert about designated assembly area in the event of an emergency • read and understand the evacuation and emergency procedures Communicate to reporting supervisor about: • process flow improvements that can reduce anticipated or repetitive hazards • mishandling of tools, machines or hazardous materials		
Performance Criteria(P	C) w.r.t. the Scope		
Element	Performance Criteria		
Communicating potential accident points	To be competent, the user/individual on the job must be able to: PC1. spot and report potential hazards on time PC2. follow company policy and rules regarding use of hazardous materials PC3. attend and actively participate in the health and safety campaigns organised by the company		
Using safety gear	To be competent, the user/individual on the job must be able to: PC4. use or wear safety gear as per the rules of the company		
Knowledge and Understanding (K)			
A. Organizational Context	The user/individual on the job needs to know and understand: KA1. company's policies on: safety and hazards and personnel management KA2. reporting structure		
B. Technical Knowledge	The user/individual on the job needs to know and understand: KB1. how different chemicals react and what could be the danger from them KB2. how to use machines and tools without suffering bodily harm		









G&J/N9905 Maintain occupational health and safety

Ski	ills (S) [Optional]		
A.	Core Skills/	Communication skills	
	Generic Skills	The individual on the job needs to know and understand how to:	
		SA1. effectively communicate the danger Organising skills	
		The individual on the job needs to know and understand how to:	
		SA2. keep all the tools in an organised manner so as to avoid accidents	
		SA3. keep the work environment safe and clean	
В.	Professional Skills	Decision making	
		The individual on the job needs to know and understand how to:	
		SB1. report potential sources of danger	
		SB2. follow prescribed procedure in the event of an accident	
		SB3. wear appropriate safety gear to avoid an accident	
		Reflective thinking	
		The individual on the job needs to know and understand to:	
		SB4. learn from past mistakes regarding use of hazardous machines or chemicals	
		Critical thinking	
		The individual on the job needs to know and understand how to:	
		SB5. spot dangers	
		Decision making	
		The individual on the job needs to know and understand how to:	
		SB6. report potential sources of danger	
		SB7. follow prescribed procedure in the event of an accident	
		SB8. Wear appropriate safety gear to avoid an accident	





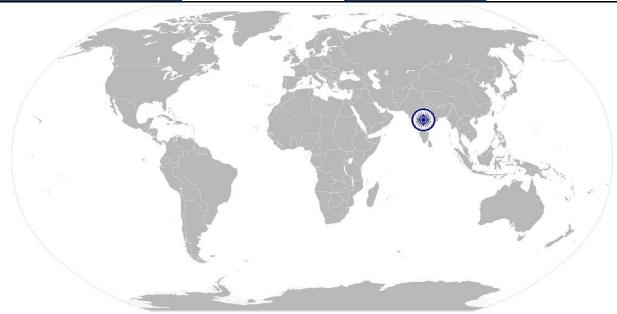




Maintain occupational health and safety

NOS Version Control

NOS Code	G&J/N9905		
Credits (NSQF)	TBD	Version number	1.1
Industry	Gem & Jewellery	Drafted on	29/05/13
Industry Sub-sector	Cast and Diamond-set jewellery	Last reviewed on	15/06/15
		Next review date	15/08/16









Keywords /Terms	Description	
Sector	Sector is a conglomeration of different business operations having similar business and interests. It may also be defied as a distinct subset of the economy whose components share similar characteristics and interests.	
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.	
Occupation	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.	
Function	Function is an activity necessary for achieving the key purpose of the sector, occupation, or an area of work, which can be carried out by a person or a group of persons. Functions are identified through functional analysis and form the basis of OS.	
Sub-function	Sub-functions are sub-activities essential to fulfil the achieving the objectives of the function.	
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.	
Occupational Standards (OS)	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the knowledge and understanding they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.	
Performance Criteria	Performance criteria are statements that together specify the standard of performance required when carrying out a task.	
National Occupational Standards (OS)	NOS are occupational standards which apply uniquely in the Indian context.	
Qualifications Pack (QP)	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.	
Unit Code	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'	
Unit Title	Unit title gives a clear overall statement about what the incumbent should be able to do.	
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.	
Scope	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.	
Knowledge and Understanding	Knowledge and understanding are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.	
Organisational Context	Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.	
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplish	



Qualifications Pack for Jewellery Polisher





	specific designated responsibilities.	
Core Skills/ Generic Skills	Core skills or generic skills are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.	
Keywords /Terms	Description	
IPR	Intellectual Property Rights	
Mohs	Mohs scale of mineral hardness	
NOS	National Occupational Standard(s)	
NSQF	National Qualifications Framework	
NVEQF	National Vocational Education Qualifications Framework	
NVQF	National Vocational Qualifications Framework	
QP	Qualifications Pack	



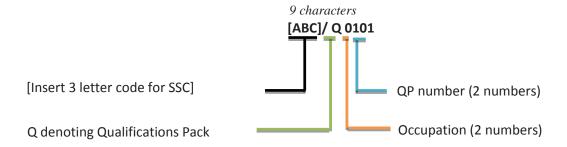




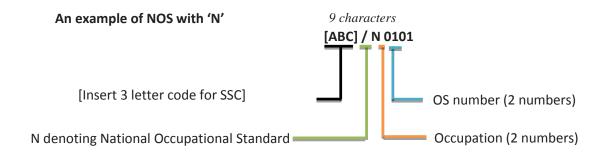
Annexure

Nomenclature for QP and NOS

Qualifications Pack



Occupational Standard



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Qualifications Pack for Jewellery Polisher





The following acronyms/codes have been used in the nomenclature above:

Sub-sector	Range of Occupation numbers
Handmade gold and gems-set jewellery	01-20
Cast and diamond-set jewellery	21-40
Diamond processing	41-60
Gemstone processing	61-80
Jewellery retailing	81-98

Sequence	Description	Example
Three letters	Industry name	G&J
Slash	/	/
Next letter	Whether Q P or N OS	N
Next two numbers	Occupation code	01
Next two numbers	OS number	01







CRITERIA FOR ASSESSMENT OF TRAINEES

Job Role Jewellery Polisher

Qualification Pack G&J/Q3001

Sector Skill Council Gem & Jewellery

Guidelines for Assessment

- 1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
- 2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
- 3. Individual assessment agencies will create theory question papers for candidates at every examination/training centre. (As per assessment criteria below)
- 4. Individual assessment agencies will create practical tests for skill evaluation for candidates at every examination/training centre. (As per assessment criteria below)
- 5. To pass the Qualification Pack, every candidate should score a minimum of 50% in theory and 70% in practical to successfully clear the assessment.
- 6. In case of successfully passing only certain number of NOS's, the candidate is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack.

				Marks Allocation	
		Total Marks (80+20)	Out Of	Theory	Skills Practical
1.G&J/N3001 Polish and clean the cast jewellery	PC1. provide finish to jewellery piece as per design requirement	75	9	2	7
	PC2. minimise precious-metal loss and damage to the stones in case of final polishing		7	2	5
	PC3. minimise accidents while buffing and using high speed motors		5	0	5
	PC4. deliver in time product to the next stage in the process flow		4	0	4
	PC5. polish number of pieces as per target deliverable as specified by the company		4	0	4
	PC6. appropriately finish surfaces as per design requirement		24	4	20



Qualifications Pack for Jewellery Polisher





				& ENTREPRENEURSHIP		
	PC7. produce quality control approved jewellery piece		22	2	20	
		Total	75	10	65	
2.G&J/N9901 Respect and maintain IPR	PC1. be able to spot plagiarism and report	9	3	2	1	
	PC2. be aware of patents and IPR		4	1	3	
	PC3. not be involved in IPR violations		2	1	1	
		Total	9	4	5	
3. G&J/N9902 Coordinate with others	PC1. Understand the work output requirements	8	2	1	1	
	PC2. Understand company policy and rule		1	0	1	
	PC3. Deliver quality work on time as required by reporting any anticipated reasons for delays		1	0	1	
	PC4. Put team over individual goals		1	1	0	
	PC5. be able to resolve conflicts		1	0	1	
	PC6. learn how to multi-task relevant activities		2	1	1	
		Total	8	3	5	
4. G&J/N9905 Maintain occupational health and safety	PC1. Spot and report potential hazards on time	8	2	1	1	
	PC2. Follow company policy and rules regarding use of hazardous materials		2	0	2	
	PC3. attend and actively participate in the health and safety campaigns organised by the company		2	1	1	
	PC4. Use or wear safety gear as per the rules of the company		2	1	1	
		Total	8	3	5	